

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/006089

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K39/205

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, INSPEC, BIOSIS, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>SUTTER G ET AL: "NOVEL VACCINE DELIVERY SYSTEMS: SOLUTIONS TO HIV VACCINE DILEMMAS?" AIDS, LONDON, GB, vol. 15, no. SUPPL 5, 2001, pages S139-S145, XP009014330 ISSN: 0269-9370 page S142, column 2, line 1</p> <p style="text-align: center;">-/-</p>	1-45

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

27 September 2004

Date of mailing of the International search report

08/10/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>ROSE NINA F ET AL: "An effective AIDS vaccine based on live attenuated vesicular stomatitis virus recombinants"            CELL,            vol. 106, no. 5,            7 September 2001 (2001-09-07), pages            539-549, XP002297996            ISSN: 0092-8674            cited in the application            abstract; figures 1-7</p>	1-45
A	<p>EGAN M A ET AL: "The use of cytokines and chemokines as genetic adjuvants for plasmid DNA vaccines"            CLINICAL AND APPLIED IMMUNOLOGY REVIEWS            2002 UNITED STATES,            vol. 2, no. 4-5, 2002, pages 255-287,            XP002297997            ISSN: 1529-1049            the whole document</p>	
A	<p>EO S K ET AL: "Prime-boost immunization with DNA vaccine: mucosal route of administration changes the rules."            JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 1 MAY 2001,            vol. 166, no. 9, 1 May 2001 (2001-05-01),            pages 5473-5479, XP002297998            ISSN: 0022-1767            cited in the application            abstract; table 1            page 5473, column 1, paragraph 1</p>	1-45
A	<p>SHIVER J W ET AL:            "Replication-incompetent adenoviral vaccine vector elicits effective anti-immunodeficiency-virus immunity"            NATURE, MACMILLAN JOURNALS LTD. LONDON, GB,            vol. 415, 17 February 2002 (2002-02-17),            pages 331-335, XP002963543            ISSN: 0028-0836            cited in the application            abstract; figures 1,2; table 1</p>	1-45
		-/-

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## C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HAGLUND K ET AL: "High-level primary CD8+ T-cell response to human immunodeficiency virus type 1 Gag and Env generated by vaccination with recombinant vesicular stomatitis viruses" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 76, no. 6, March 2002 (2002-03), pages 2730-2738, XP002266674 ISSN: 0022-538X cited in the application the whole document -----	1-45
A	WO 96/34625 A (ROSE JOHN K ; UNIV YALE (US)) 7 November 1996 (1996-11-07) the whole document -----	1-45
A	ROBERTS A ET AL: "Attenuated vesicular stomatitis viruses as vaccine vectors" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 73, no. 5, May 1999 (1999-05), pages 3723-3732, XP002266675 ISSN: 0022-538X cited in the application -----	1-45
A	WO 02/097091 A (BARBER GLEN N ; UNIV MIAMI (US)) 5 December 2002 (2002-12-05) the whole document -----	1-45

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: **1-34 (partially)**  
because they relate to subject matter not required to be searched by this Authority, namely:  
**Although claims 1-34 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.**
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple Inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/US2004/006089

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 9634625	A 07-11-1996	AU	714616 B2	06-01-2000
		AU	5634596 A	21-11-1996
		CA	2220133 A1	07-11-1996
		EP	0871482 A1	21-10-1998
		WO	9634625 A1	07-11-1996
		US	6168943 B1	02-01-2001
WO 02097091	A 05-12-2002	WO	02097091 A1	05-12-2002
		US	2003021805 A1	30-01-2003